

Title (en)
Rotary drill bits.

Title (de)
Drehbohrmeissel.

Title (fr)
Trépan pour forage rotary.

Publication
EP 0032428 A1 19810722 (EN)

Application
EP 81300062 A 19810108

Priority
GB 8000606 A 19800110

Abstract (en)
In a rotary drilling bit having preform cutting elements, a partial or total structural discontinuity is disposed between the elements and the underlying structure or within the underlying structure to reduce the bending strain upon the preform cutting elements. In this way there is a reduction in the fracture or damage of preform cutting elements.

IPC 1-7
E21B 10/46; **E21B 10/62**

IPC 8 full level
E21B 10/56 (2006.01); **E21B 10/573** (2006.01); **E21B 10/62** (2006.01)

CPC (source: EP)
E21B 10/573 (2013.01); **E21B 10/62** (2013.01)

Citation (search report)
US 4168923 A 19790925 - VEZIRIAN EDWARD

Cited by
US4542943A; EP0145422A3; EP0144222A3; EP0511200A1; EP0534370A1; US6009963A; EP0853184A3; FR2524916A1; AT388581B; GB2279677A; US5421425A; GB2279677B; EP0145423A3; US4679639A; GB2409474A; GB2423322A; GB2409474B; GB2423322B; EP0573135A1; US5423719A; EP0326176A3; US7426969B2

Designated contracting state (EPC)
BE CH DE FR GB LI NL SE

DOCDB simple family (publication)
EP 0032428 A1 19810722; **EP 0032428 B1 19860827**; AU 547017 B2 19851003; AU 6618681 A 19810716; DE 3175194 D1 19861002

DOCDB simple family (application)
EP 81300062 A 19810108; AU 6618681 A 19810113; DE 3175194 T 19810108